AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the

application:

Listing of Claims:

1.   (previously presented) A method of operation of a logical unit to facilitate secure communication between first and second domains comprising:

receiving an encrypted data transmission over an outbound proxy from a security client disposed in the first domain;

identifying a sender of the encrypted data transmission using a personal identifier associated with the data transmission;

determining whether the sender is authorized to perform the data transmission;

determining whether the data transmission is recognized;

decrypting the data transmission if it is determined that the data transmission is recognized and the sender is authorized to perform the data transmission; and

transmitting the decrypted data transmission to an application server disposed in the second domain.

2.   (original) The method of claim 1 wherein the personal identifier is one of a biometric and a digital signature.

3.   (original) The method of claim 1 wherein determining whether the sender is authorized to perform the data transmission includes checking an access control list to determine the sender's privilege level.

4.   (previously presented) The method of claim 1 further comprising preventing the data transmission from reaching the application server if it is determined that the data transmission is not recognized and the sender is not authorized to perform the data transmission function.

5.   (previously presented) The method of claim 1 further comprising enhancing the data transmission prior to sending the data transmission.

6.   (currently amended) An article of manufacture comprising:

a computer ~~usable~~ readable storage medium having computer readable program code embodied therein for securely transmitting data from a trusted domain to an untrusted domain comprising:

computer readable program code ~~for causing~~ that causes a first logical unit to receive an enhanced data transmission over an outbound proxy from a second logical unit;

computer readable program code ~~for causing~~ that causes the first logical unit to identify a sender of the enhanced data transmission;

computer readable program code ~~for causing~~ that causes the first logical unit to determine whether the enhanced data transmission is recognized;

computer readable program code ~~for causing~~ that causes the first logical unit to determine whether the sender is authorized to perform the enhanced data transmission; and

computer readable program code ~~for causing~~ that causes the first logical unit to de-enhance the data transmission if it is determined that the enhanced data transmission is recognized and that the sender is authorized to perform the enhanced data transmission; and

computer readable program code ~~for causing~~ that causes the first logical unit to send the de-enhanced data transmission to a third logical unit.

7.   (original) The article of manufacture of claim 6 wherein the data in the enhanced data is encrypted.

8.   (original) The article of manufacture of claim 6 wherein enhanced data includes biometrically secured data.

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9.   (currently amended) The article of manufacture of claim 6 further
comprising computer readable program code ~~for causing~~ that causes the first logical
unit to determine a privilege level of the sender by searching an access control list that
contains the sender's privilege level.

10.   (original) The article of manufacture of claim 6 further comprising program
code for preventing the data from reaching the third logical unit if it is determined that
the sender is not authorized to transmit the data.

11.   (cancelled) A logical unit programmed to facilitate secure communication
between first and second domains comprising:

a processor programmed to receive enhanced data transmitted from a first
logical unit and to identify the sender of the enhanced data, said processor including a
plurality of proxies, at least one of the plurality of proxies corresponding to an outbound
proxy of the first logical unit;

an access control list stored in a memory location including access rights for the
sender;

said processor further being programmed to query said access control list to
determine whether the sender has sufficient rights to perform the data transmission.

12.   (cancelled) A logical system for secure communication between first and
second domains:

a first logical unit configured to enhance data and to transmit the enhanced data
through an outbound proxy across the first secure domain;

a second logical unit having a plurality of proxies, at least one of the plurality of
proxies corresponding to the outbound proxy of the first logical unit, said second logical
unit being configured to receive data from said first logical unit, said second logical unit
defining a boundary between the first domain and the second domain, said second
logical unit being further configured to identify a sender of the enhanced data, to
determine whether the sender has sufficient rights to perform the data transmission,
said processor being further configured to de-enhance the data and to transmit the data

to a logical unit in the second domain when it is determined that the sender has sufficient rights to perform data transmission.

13.   (previously presented) The method of claim 1 wherein determining whether the data transmission is recognized includes comparing proxies contained in said first logical unit to the outbound proxy of the security client.

14.   (cancelled) The logical unit of claim 11 wherein said processor is further programmed to de-enhance the data and to transmit the de-enhanced data to a logical unit in one of the first and second domains.